

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	81	("3628532"   "3683913"   "3809085"   "3830238"   "4015603"   "4018224"   "4105031"   "4112948"   "4137940"   "4299222"   "4398910"   "4692153"   "4710165"   "4756501"   "4784642"   "4883474"   "4941469"   "4955873"   "4955874"   "5044362"   "5045075"   "5141503"   "5211171"   "5300050"   "5318510"   "5360414"   "5370610"   "5458567"   "5484401"   "5507734"   "5578006"   "5588167"   "5807313"   "6017493"   "6299593"   "6352525"   "6638253").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:14
S2	2	"20060122575"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:18
S3	146	604/541.ccl.s.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:22
S4	22000872	604/541.ccl.s. @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:22

S5	74	604/541.cds. @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 09:08
S6	2	"5360414".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:42
S7	2	"6638253".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:43
S8	2	"6017493".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:44
S9	2	"6352525".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:44
S10	43931	604/541.cds. @ay<"2002" torr or mmhg	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 09:09

S11	2	604/541.ccls. @ay<"2002" (torr or mmhg)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 09:09
S12	0	604/19,48,93.01-, "164""."04,264,268,314,322".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/11 13:32
S13	4383	604/19,48,93.01,164.04,264,268,314,322.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/11 13:32
S14	792	drainage device, chest tube, vacuum, chest	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/11 13:33
S15	449	"604/540".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:34
S16	11	((AKIO) near2 (WAKABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:34
S17	2	"US 20060122575"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/11 13:34
S18	150	"604/541".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:35
S19	784	"604/35".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:35

S20	17	drainage device, chest tube, vacuum, chest torr	US-PGPUB; USPAT; USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/12 08:24
S21	4	("4182343" "4555242").PN. OR ("6299593").UPPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:31
S22	192	("0765746" "0843674" "1355679" "1355846"   "1385346" "20010029956"   "20020143286"   "20020161346"   "20030050594"   "20040039415"   "2232254" "2280915" "2338339" "2547758"   "2969057" "3026526" "3026874" "3042041"   "3367332" "3478736" "3481326" "3486504"   "3520300" "3568675" "3610238" "3648692"   "3682180" "3809087" "3874687" "3896810"   "3908664" "3954105" "3993080" "4080970"   "4096853" "4112947" "4139004" "4149541"   "4165748" "4169563" "4172455" "4182343"   "4224945" "4250882" "4261363" "4275721"   "4297995" "4333468" "4373519" "4382441"   "4392853" "4419097" "4468227" "4469092"   "4475909" "4480638" "4525166" "4527064"   "4533352" "4543100" "4551139" "4553967"   "4569348" "4573965" "4605399" "4608041"   "4624656" "4640688" "4733659" "4743232"   "4759354" "4764167" "4765316" "4775909"   "4778456" "4813094" "4820265" "4820284"   "4834110" "4836192" "4838883" "4840187"   "4851545" "4863449" "4872450" "4878901"   "4897081" "4906233" "4906240" "4917112"   "4919654" "4921492" "4925447" "4931519"   "4936834" "4941882" "4953565" "4969880"   "4969881" "4985019" "5035884" "5037397"   "5045075" "5086764" "5100396" "5106362"   "5113871" "5149331" "5228431" "5240862"   "5261893" "5279010" "5298015" "5358494"   "5370610" "5527293" "5540412" "5549584"   "5618275" "5624419" "5636643" "5643229"   "5645081").PN. OR ("5656588" "5664270" "5678564"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:36

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S23	59	("0545102" "1131349" "1191736" "1215512"   "1740174" "2560915" "2667682" "2930378"   "3421510" "3675639" "3810471" "4274417"   "4382442" "4508533" "4573965" "4693257"   "4723955" "4735606" "4744364" "4796637"   "4852568" "4917667" "5029580" "5073164"   "5108364").PN. OR ("5370610").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:55
S24	79	("0517274" "0906711" "1114268" "1178898"   "1188180" "1987907" "2043630" "2199844"   "2361908" "2449497" "2614563" "2804075"   "3019447" "3065749" "3394705" "3430631"   "3735751" "3993080" "4002170" "4068664"   "4182385" "4400168" "4402684" "4447226"   "4451257" "4468216" "4508533" "4512765"   "4634435" "4662871" "4692140" "4708717"   "4759349" "4787894" "4857047" "4915691"   "4964849" "4993941" "5061180" "5125902"   "5141503" "5167622" "5197949" "5203769"   "5221255" "5224940" "5242386" "5248297"   "5306237" "5310406" "5370610" "5374245"   "5380245" "5395315" "5462528" "5464390"   "5496290" "5499970" "5527276" "5562640"   "5616121" "5795324").PN. OR ("6878142").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:58

S25	79	("2230218"   "2470665"   "2568566"   "2614563"   "2727678"   "3066672"   "3085573"   "3142298"   "3208145"   "3375828"   "3395705"   "3416532"   "3626928"   "3628532"   "3749090"   "3810471"   "3889675"   "3982540"   "4036210"   "4049000"   "4300550"   "4363321"   "4372336"   "4382442").PN. OR ("4735606").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:00
S26	15	("3640281"   "3680562"   "3840008"   "4167939"   "4291694"   "4684369"   "Re31855").PN. OR ("4936834"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:14
S27	57	("2930378"   "4084606"   "4294251").PN. OR ("4573965"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:18
S28	52	("1245845"   "2074223"   "3115138"   "3291151"   "3398743"   "3572340"   "3592365"   "3774611"   "3779243"   "3782384"   "3809086").PN. OR ("4112947"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:44
S29	29	("3125095"   "3407817"   "3905361"   "3908664").PN. OR ("3993080").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:49
S30	61	("2712950"   "3090396"   "3159378"   "3426759"   "3929126"   "3950014"   "4134573"   "4193406"   "4212300").PN. OR ("4451257").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 10:49
S31	18	("3142298").URPN.	USPAT	OR	OFF	2008/04/12 11:14
S32	42	("3142298"   "3812855"   "3882861"   "3918453"   "4180074"   "4261360"   "4443218"   "4444545"   "4468219").PN. OR ("4710165").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 11:20
S33	42	("3142298"   "3812855"   "3882861"   "3918453"   "4180074"   "4261360"   "4443218"   "4444545"   "4468219").PN. OR ("4710165").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 11:39

S34	81	(US-20070135795-\$ or US-20060122575-\$ or US-20040073154-\$ or US-20020082587-\$ or US-20020058915-\$ or US-20030050594-\$ or US-20020161346-\$ or US-20020143286-\$ or US-20010029956-\$).did. or (US-6543452-\$ or US-5527276-\$ or US-4692153-\$ or US-4317452-\$ or US-5360414-\$ or US-6638253-\$ or US-6017493-\$ or US-6352525-\$ or US-5429601-\$ or US-6299593-\$ or US-6979324-\$ or US-6641575-\$ or US-6626891-\$ or US-6620132-\$ or US-4182343-\$ or US-5370610-\$ or US-6989016-\$ or US-6878142-\$ or US-4735606-\$ or US-4936834-\$ or US-4820284-\$ or US-4573965-\$ or US-4112947-\$ or US-3993080-\$ or US-7141045-\$ or US-3908664-\$).did. or (US-3520300-\$ or US-5800408-\$ or US-5108364-\$ or US-4917667-\$ or US-4508533-\$ or US-4382442-\$ or US-3810471-\$ or US-3421510-\$ or US-2930378-\$ or US-1740174-\$ or US-6849061-\$ or US-5980483-\$ or US-D303840-\$ or US-4421505-\$ or US-4398910-\$ or US-D248969-\$ or US-5380245-\$ or US-5221255-\$ or US-5203769-\$ or US-5141503-\$ or US-4451257-\$ or US-4182385-\$ or US-4068664-\$ or US-2614563-\$ or US-1188180-\$ or US-5738656-\$ or US-5417664-\$).did. or (US-3416532-\$ or US-4291694-\$ or US-3680562-\$ or US-5100395-\$ or US-5223228-\$ or US-5149325-\$ or US-7338482-\$ or US-5186714-\$ or US-4710165-\$ or US-7335334-\$ or US-7214202-\$ or US-7204958-\$ or US-7201870-\$ or US-7198751-\$ or US-6648862-\$ or US-5419768-\$ or US-4180074-\$).did. or (US-3142298-\$ or US-2930378-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 13:45
S35	9	S34 tube hole hg	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/12 13:46
S36	3	S34 tube hole near20 tissue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/12 14:26

S37	337	"604/48". COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 05:36
S38	3	"US 6299593"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/13 05:37
S39	81	(US-20070135795-\$ or US-20060122575-\$ or US-20040073154-\$ or US-20020082587-\$ or US-20020058915-\$ or US-20030050594-\$ or US-20020161346-\$ or US-20020143286-\$ or US-20010029956-\$).did. or (US-6543452-\$ or US-5527276-\$ or US-4692153-\$ or US-4317452-\$ or US-5360414-\$ or US-6638253-\$ or US-6017493-\$ or US-6352525-\$ or US-5429601-\$ or US-6299593-\$ or US-6979324-\$ or US-6641575-\$ or US-6626891-\$ or US-6620132-\$ or US-4182343-\$ or US-5370610-\$ or US-6989016-\$ or US-6878142-\$ or US-4735606-\$ or US-4936834-\$ or US-4820284-\$ or US-4573965-\$ or US-4112947-\$ or US-3993080-\$ or US-7141045-\$ or US-3908664-\$).did. or (US-3520300-\$ or US-5800408-\$ or US-5108364-\$ or US-4917667-\$ or US-4508533-\$ or US-4382442-\$ or US-3810471-\$ or US-3421510-\$ or US-2930378-\$ or US-1740174-\$ or US-6849061-\$ or US-5980483-\$ or US-D303840-\$ or US-4421505-\$ or US-4398910-\$ or US-D248969-\$ or US-5380245-\$ or US-5221255-\$ or US-5203769-\$ or US-5141503-\$ or US-4451257-\$ or US-4182385-\$ or US-4068664-\$ or US-2614563-\$ or US-1188180-\$ or US-5738656-\$ or US-5417664-\$).did. or (US-3416532-\$ or US-4291694-\$ or US-3680562-\$ or US-5100395-\$ or US-5223228-\$ or US-5149325-\$ or US-7338482-\$ or US-5186714-\$ or US-4710165-\$ or US-7335334-\$ or US-7214202-\$ or US-7204958-\$ or US-7201870-\$ or US-7198751-\$ or US-6648862-\$ or US-5419768-\$ or US-4180074-\$).did. or (US-3142298-\$ or US-2930378-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 06:05
S40	14	(US-20060122575-\$ or US-20070135795-\$ or US-20040073154-\$ or US-20020082587-\$ or US-20020058915-\$).did. or (US-6638253-\$ or US-6352525-\$ or US-6017493-\$ or US-5360414-\$ or US-4692153-\$ or US-6543452-\$ or US-5527276-\$ or US-5429601-\$ or US-4317452-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/04/13 06:06

S41	14	S40 S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:06
S42	81	(US-20070135795-\$ or US-20060122575-\$ or US-20040073154-\$ or US-20020082587-\$ or US-20020058915-\$ or US-20030050594-\$ or US-20020161346-\$ or US-20020143286-\$ or US-20010029956-\$).did. or (US-6543452-\$ or US-5527276-\$ or US-4692153-\$ or US-4317452-\$ or US-5360414-\$ or US-6638253-\$ or US-6017493-\$ or US-6352525-\$ or US-5429601-\$ or US-6299593-\$ or US-6979324-\$ or US-6641575-\$ or US-6626891-\$ or US-6620132-\$ or US-4182343-\$ or US-5370610-\$ or US-6989016-\$ or US-6878142-\$ or US-4735606-\$ or US-4936834-\$ or US-4820284-\$ or US-4573965-\$ or US-4112947-\$ or US-3993080-\$ or US-7141045-\$ or US-3908664-\$).did. or (US-3520300-\$ or US-5800408-\$ or US-5108364-\$ or US-4917667-\$ or US-4508533-\$ or US-4382442-\$ or US-3810471-\$ or US-3421510-\$ or US-2930378-\$ or US-1740174-\$ or US-6849061-\$ or US-5980483-\$ or US-D303840-\$ or US-4421505-\$ or US-4398910-\$ or US-D248969-\$ or US-5380245-\$ or US-5221255-\$ or US-5203769-\$ or US-5141503-\$ or US-4451257-\$ or US-4182385-\$ or US-4068664-\$ or US-2614563-\$ or US-1188180-\$ or US-5738656-\$ or US-5417664-\$).did. or (US-3416532-\$ or US-4291694-\$ or US-3680562-\$ or US-5100395-\$ or US-5223228-\$ or US-5149325-\$ or US-7338482-\$ or US-5186714-\$ or US-4710165-\$ or US-7335334-\$ or US-7214202-\$ or US-7204958-\$ or US-7201870-\$ or US-7198751-\$ or US-6648862-\$ or US-5419768-\$ or US-4180074-\$).did. or (US-3142298-\$ or US-2930378-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 06:31
S43	0	S42 tube hole near20 damage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:31

S44	1	S42 tube hole near20 injury	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:32
S45	6	S42 tube hole near20 suction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:32
S46	47	S42 tube (drain\$4 or hole) near10 (pressure or vacuum or suction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 06:46
S47	16	S42 tube (drain\$4 or hole) near10 (pressure or vacuum or suction) (torr or hg)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 06:47
S48	5	S42 tube (drain\$4 or hole) near10 (pressure or vacuum or suction) (torr or hg) tissue near20 (injury or damage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:07
S49	1	S42 tube (drain\$4 or hole) near10 (pressure or vacuum or suction) (torr or hg) tissue near20 (injury or damage) hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:16

S50	3	S42 (drain\$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:17
S51	0	S42 (injury or damage) near20 hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:26
S52	1	S42 (injury or damage) near20 hole hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:27
S53	2613	(injury or damage) near20 hole hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:27
S54	216	(drain\$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:27
S55	117	(drain\$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:28

S56	105	tube (drain\$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:28
S57	1	tube near20 hole with (pressure or vacuum or suction) (injury or damage or harm\$5) with (hole near5 size) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:44
S58	988	tube with hole with (size or diameter) with (vacuum or pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/13 07:48
S59	24351377	tube with hole with (size or diameter) with (vacuum or pressure) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/13 07:49
S60	499	tube with hole with (size or diameter) with (vacuum or pressure) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 07:49
S61	878	tube with hole with (size or diameter) with (vacuum or pressure) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:49

S62	3	tube with hole with (size or diameter) with (vacuum or pressure) with (injury or damage or harm) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:51
S63	7	tube with hole with (size or diameter) with (vacuum or pressure) with (injury or damage or harm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:52
S64	154	tube with hole with (size or diameter) same (vacuum or pressure) same (injury or damage or harm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:54
S65	41	tube with hole with (size or diameter) with (vacuum or pressure) same (injury or damage or harm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:54
S66	14	tube with hole with (size or diameter) with (vacuum or pressure) same (injury or damage or harm) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:54
S67	37	tube with hole with (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:56

S68	165	tube same hole same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:58
S69	17	tube same hole same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002" human	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:59
S70	55	tube same (hole or open\$5 or orifice) same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002" human	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 08:22
S71	38	tube same (hole or open\$5 or orifice) same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002" human not S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 08:23
S72	23	("0340739"   "4072153"   "4227533"   "4257422"   "4573965"   "4579120"   "4579555"   "4838881"   "4919167"   "4925452").PN. OR ("5100395").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 17:22
S73	86	("3628532"   "3683913"   "3809085"   "3830238"   "4015603"   "4018224"   "4105031"   "4112948"   "4137940"   "4299222"   "4398910"   "4692153"   "4710165"   "4756501"   "4784642"   "4883474"   "4941469"   "4955873"   "4955874"   "5044362"   "5045075"   "5141503"   "5211171"   "5300050"   "5318510"   "5360414"   "5370610"   "5458567"   "5484401"   "5507734"   "5578006"   "5588167"   "5807313"   "6017493"   "6299593"   "6352525"   "6638253").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12

S74	161	604/541.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12
S75	49272	604/541.ccls. @ay<"2002" torr or mmhg	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:12
S76	847	drainage device, chest tube, vacuum, chest	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:12
S77	12	((AKIO) near2 (WAKABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12
S78	161	"604/541".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12
S79	814	"604/35".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12
S80	3337771	S73 S74 S75 s11s13 S77 S76 S78 S79 "37"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12
S81	359	"604/48".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12

S82	51322	S73 S74 S75 s11s13 S77 S76 S78 S79 S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12
S83	7155	S82 vacuum near5 (mmHg or torr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:13
S84	4486	S82 vacuum near5 (mmHg or torr) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:13
S85	414	S82 vacuum near5 (mmHg or torr) @ay<"2002" medical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:14
S86	43	S82 high near vacuum near5 (mmHg or torr) @ay<"2002" medical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:14
S87	2	604/541.cds. @ay<"2002" (torr or mmhg)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 08:21

S88	19	604/541.ccls. @ay<"2002" (torr or mmhg or vacuum with pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 08:22
S89	6	604/542.ccls. @ay<"2002" (torr or mmhg or vacuum with pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 08:22
S90	19	604/541.ccls. @ay<"2002" (torr or mmhg or (vacuum with pressure))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 08:43
S91	87	("3628532" "3683913" "3809085" "3830238"   "4015603" "4018224" "4105031" "4112948"   "4137940" "4299222" "4398910" "4692153"   "4710165" "4756501" "4784642" "4883474"   "4941469" "4955873" "4955874" "5044362"   "5045075" "5141503" "5211171" "5300050"   "5318510" "5360414" "5370610" "5458567"   "5484401" "5507734" "5578006" "5588167"   "5807313" "6017493" "6299593" "6352525"   "6638253").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/28 09:07
S92	13	((AKIO) near2 (WAKABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/28 09:08
S93	4826	604/19,48,93.01,164.04,264,268,314,322.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/28 09:08
S94	172	"604/541".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/28 09:08

S95	62	"604/542".OCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/28 09:08
S96	77	(US-20020161346-\$ or US-20010029956-\$ or US-20040078026-\$ or US-20040230118-\$).did. or (US-6299589-\$ or US-6979324-\$ or US-6641575-\$ or US-6626891-\$ or US-6620132-\$ or US-4182343-\$ or US-5370610-\$ or US-6989016-\$ or US-6878142-\$ or US-4735606-\$ or US-4936834-\$ or US-4820284-\$ or US-4573965-\$ or US-4112947-\$ or US-3993080-\$ or US-7141045-\$ or US-3908664-\$ or US-3520300-\$ or US-5800408-\$ or US-5108364-\$ or US-4917667-\$ or US-4508533-\$ or US-4382442-\$ or US-3810471-\$ or US-3421510-\$ or US-2930378-\$).did. or (US-1740174-\$ or US-6849061-\$ or US-5980483-\$ or US-D303840-\$ or US-4421505-\$ or US-4398910-\$ or US-D248969-\$ or US-5380245-\$ or US-5221255-\$ or US-5203769-\$ or US-5141503-\$ or US-4451257-\$ or US-4182385-\$ or US-4068664-\$ or US-2614563-\$ or US-1188180-\$ or US-5738656-\$ or US-5417664-\$ or US-3416532-\$ or US-4291694-\$ or US-3680562-\$ or US-5100395-\$ or US-5223228-\$ or US-5149325-\$ or US-7338482-\$ or US-5186714-\$ or US-4710165-\$).did. or (US-7335334-\$ or US-7214202-\$ or US-7204958-\$ or US-7201870-\$ or US-7198751-\$ or US-6648862-\$ or US-5419768-\$ or US-4180074-\$ or US-6245045-\$ or US-3384089-\$ or US-5891111-\$ or US-5989211-\$ or US-5254084-\$ or US-4925452-\$ or US-4072153-\$ or US-0340739-\$ or US-4317452-\$ or US-5429601-\$).did. or (US-3142298-\$ or US-2930378-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/28 09:09
S97	5166	S91 S92 S93 S94 S95 S96	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2009/10/28 09:14

S98	83435	@ay<"2002" (torr or mmhg or cmh2o) with (vacuum or pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 09:16
S99	45	S97 S98	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/28 09:16
S100	259	( "1188180"   "1740174"   "2614563"   "2930378"   "20010029956"   "20020058915"   "20020082587"   "20020161346"   "20040073154"   "20060122575"   "20070135795"   "3142298"   "3416532"   "3421510"   "3520300"   "3628532"   "3680562"   "3683913"   "3809085"   "3810471"   "3830238"   "3908664"   "3993080"   "4015603"   "4018224"   "4068664"   "4105031"   "4112947"   "4112948"   "4137940"   "4180074"   "4182343"   "4182385"   "4291694"   "4299222"   "4317452"   "4382442"   "4398910"   "4398910"   "4421505"   "4451257"   "4508533"   "4573965"   "4692153"   "4692153"   "4710165"   "4710165"   "4735606"   "4756501"   "4784642"   "4820284"   "4883474"   "4917667"   "4936834"   "4941469"   "4955873"   "4955874"   "5044362"   "5045075"   "5100395"   "5108364"   "5141503"   "5141503"   "5149325"   "5186714"   "5203769"   "5211171"   "5221255"   "5223228"   "5300050"   "5318510"   "5360414"   "5360414"   "5370610"   "5370610"   "5380245"   "5417664"   "5419768"   "5429601"   "5458567"   "5484401"   "5507734"   "5527276"   "5578006"   "5588167"   "5738656"   "5800408"   "5807313"   "5980483"   "6017493"   "6017493"   "6299593"   "6352525"   "6543452"   "6620132"   "6626891"   "6638253"   "6638253"   "6641575"   "6648862"   "6849061"   "6878142"   "6979324"   "6989016"   "7141045"   "7198751"   "7201870"   "7204958"   "7214202"   "7335334"   )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/28 09:58

		"7338482"   "D248969"   "D303840").PN.				
S101	2160	@ay<"2002" vacuum force newton	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/29 07:55
S102	87	("3628532"   "3683913"   "3809085"   "3830238"   "4015603"   "4018224"   "4105031"   "4112948"   "4137940"   "4299222"   "4398910"   "4692153"   "4710165"   "4756501"   "4784642"   "4883474"   "4941469"   "4955873"   "4955874"   "5044362"   "5045075"   "5141503"   "5211171"   "5300050"   "5318510"   "5360414"   "5370610"   "5458567"   "5484401"   "5507734"   "5578006"   "5588167"   "5807313"   "6017493"   "6299593"   "6352525"   "6638253").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/29 07:55
S103	13	((AKIO) near2 (WAKABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 07:55
S104	4832	604/19,48,93.01,164.04,264,268,314,322.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/29 07:55
S105	172	"604/541".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 07:55
S106	62	"604/542".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 07:55

S107	77	(US-20020161346-\$ or US-20010029956-\$ or US-20040078026-\$ or US-20040230118-\$).did. or (US-6299593-\$ or US-6979324-\$ or US-6641575-\$ or US-6626891-\$ or US-6620132-\$ or US-4182343-\$ or US-5370610-\$ or US-6989016-\$ or US-6878142-\$ or US-4735606-\$ or US-4936834-\$ or US-4820284-\$ or US-4573965-\$ or US-4112947-\$ or US-3993080-\$ or US-7141045-\$ or US-3908664-\$ or US-3520300-\$ or US-5800408-\$ or US-5108364-\$ or US-4917667-\$ or US-4508533-\$ or US-4382442-\$ or US-3810471-\$ or US-3421510-\$ or US-2930378-\$).did. or (US-1740174-\$ or US-6849061-\$ or US-5980483-\$ or US-D303840-\$ or US-4421505-\$ or US-4398910-\$ or US-D248969-\$ or US-5380245-\$ or US-5221255-\$ or US-5203769-\$ or US-5141503-\$ or US-4451257-\$ or US-4182385-\$ or US-4068664-\$ or US-2614563-\$ or US-1188180-\$ or US-5738656-\$ or US-5417664-\$ or US-3416532-\$ or US-4291694-\$ or US-3680562-\$ or US-5100395-\$ or US-5223228-\$ or US-5149325-\$ or US-7338482-\$ or US-5186714-\$ or US-4710165-\$).did. or (US-7335334-\$ or US-7214202-\$ or US-7204958-\$ or US-7201870-\$ or US-7198751-\$ or US-6648862-\$ or US-5419768-\$ or US-4180074-\$ or US-6245045-\$ or US-3384089-\$ or US-5891111-\$ or US-5989211-\$ or US-5254084-\$ or US-4925452-\$ or US-4072153-\$ or US-0340739-\$ or US-4317452-\$ or US-5429601-\$).did. or (US-3142298-\$ or US-2930378-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 07:55
S108	5172	S102 S103 S104 S105 S106 S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; IPO; DERWENT; IBM_TDB	OR	OFF	2009/10/29 07:55
S109	2	S101 S108	US-PGPUB; USPAT; USOCR; FPRS; EPO; IPO; DERWENT; IBM_TDB	AND	OFF	2009/10/29 07:55

S110	146787	@ay<"2002" vacuum force	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/29 07:57
S111	25419	@ay<"2002" vacuum with force	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/29 07:57
S112	49	S111 S108	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/10/29 07:57
S113	30	("3572315"   "3981297"   "3983864"   "4221567"   "4265249"   "4560472"   "4633878"),PN. OR ("4854322"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 09:01

10/29/2009 11:09:39 AM

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